AMENDMENT B
(37 C.F.R. 1.111)

IN THE CLAIMS:

Please amend claims 1, 3-14 and 21 in accordance with 37 C.F.R. 1.121.

Please add new claim 22.

The claims are attached herein on separate sheets.

AMENDMENT TO CLAIMS
[Deleted material is struck-through and added material is underlined]

1.   (Currently Amended) A composition for treating symptoms and conditions associated with aging, the composition including an active ingredient **consisting essentially of** ~~comprising~~:

one of

an aqueous extract of buckwheat seed,

a fractionation product of an aqueous extract of buckwheat seed, and

a combination of said aqueous extract of buckwheat seed and said fractionation product of said aqueous extract of buckwheat seed,

wherein the active ingredient contains polymers having 4 to 9 monomer units, **said polymers** having a molecular weight of from about 1,000 to about 10,000,

wherein the composition **enhances an activity of protein kinase C (PKC), improves short time memory and alleviates decrease in space cognition caused by aging** ~~activates a function of the brain's activity~~.

2.   (Original)   The composition according to Claim 1, wherein the aqueous extract of buckwheat seed has a molecular weight of about 1500 or more.

3.   (Currently Amended) The composition according to Claim 1, wherein the composition ~~activates the function of the brain's activity for alleviating and treating~~ **alleviates and treats** symptoms and conditions caused by dementia.

4.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for alleviating and treating~~ **alleviates and treats** symptoms and conditions caused by dementia.

5.   (Currently Amended) The composition according to Claim 1, wherein the composition ~~activates the function of the brain's activity for alleviating and treating~~ **alleviates and treats** symptoms and conditions caused by Alzheimer's syndrome.

6.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for alleviating and treating~~ **alleviates and treats** symptoms and conditions caused by Alzheimer's syndrome.

7.   (Currently Amended) The composition according to Claim 1, wherein the composition **inhibits** ~~activates the function of the brain's activity for inhibiting~~ lipid peroxide.

8.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for inhibiting~~ **inhibits** lipid peroxide.

9.   (Currently Amended) The composition according to Claim 1, wherein the composition ~~activates the function of the brain's activity for treating~~ **treats** hyperlipemia.

10.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for treating~~ **treats** hyperlipemia.

11.   (Currently Amended) The composition according to Claim 1, wherein the composition ~~activates the function of the brain's activity for lowering~~ **lowers** triacylglycerol levels.

12.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for lowering~~ **lowers** triacylglycerol levels.

13.   (Currently Amended) The composition according to Claim 1, wherein the composition ~~activates the function of the brain's activity for lowering~~ **lowers** cholesterol levels.

14.   (Currently Amended) The composition according to Claim 2, wherein the composition ~~activates the function of the brain's activity for lowering~~ **lowers** cholesterol levels.

15.   (Original)   The composition according to Claim 1, wherein the polymer having four to nine monomer units comprises a catechin-epicatechin polymer having four to nine monomer units.

16.   (Previously Presented)   The composition according to Claim 1, wherein the polymers having four to nine monomer units consist essentially of catechin-epicatechin polymers of the formula:
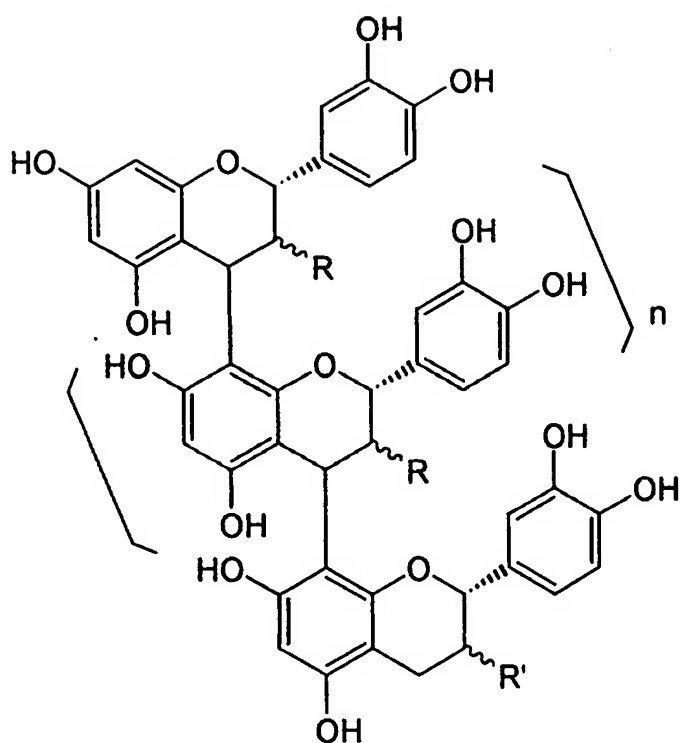
wherein n has a value of from 2 to 7, and

R is

∙∙∙∙∙∙∙∙∙ OH and ◄▬ OH and the ratio of ∙∙∙∙∙∙∙∙∙ OH to ◄▬ OH is 2 to 1,

R' is

∙∙∙∙∙∙∙∙∙ OH and ◄▬ OH and the ratio of ∙∙∙∙∙∙∙∙∙ OH to ◄▬ OH is 1 to 2

,

giving a ratio of catechin to epicatechin in the upper terminal and middle of 2 to 1 and a 1 to 2 ratio of catechin to epicatechin in the lower terminal.

17.   (Original)   The composition of claim 16 wherein n has a value of 3.

18.   (Original)   The composition of claim 16 wherein n has a value of 5.

19.   (Original)   The composition of claim 16 wherein n has a value of 7.

20. (Original) The composition of claim 2 wherein the catechin-epicatechin polymer comprises an catechin-epicatechin oligomer.

21. (Currently Amended) A method of improving the memory of animals comprising administering to said animals an effective amount of a composition having an active ingredient ~~comprising~~ <u>consisting essentially of</u>:

one of

an aqueous extract of buckwheat seed,

a fractionation product of an aqueous extract of buckwheat seed, and

a combination of said aqueous extract of buckwheat seed and said fractionation product of said aqueous extract of buckwheat seed,

wherein the active ingredient contains polymers having 4 to 9 monomer units, <u>said polymers</u> having a molecular weight of from about 1,000 to about 10,000, and

wherein the polymers having 4 to 9 monomer units consist essentially of catechin-epicatechin polymers of the formula:
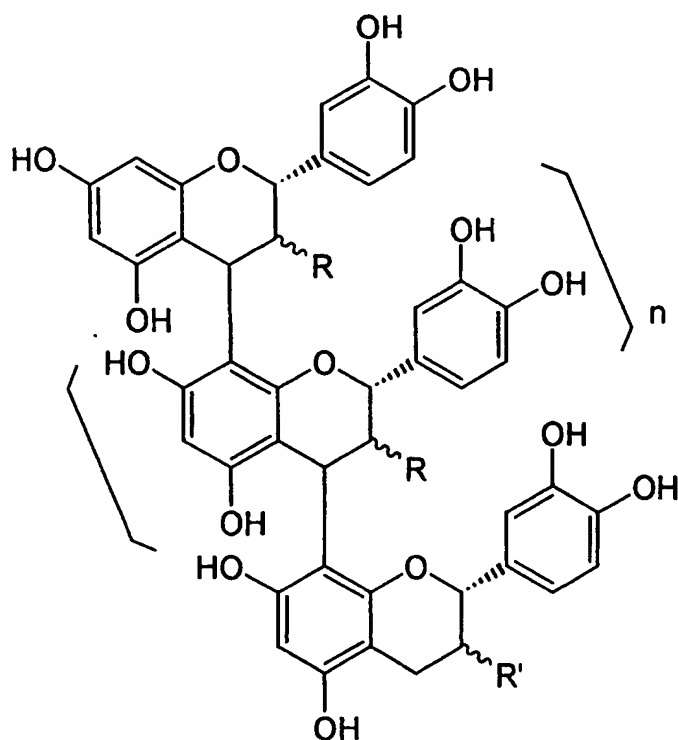
wherein n has a value of from 2 to 7, and

R is

⋯⋯‖‖‖ OH and ◀▬ OH and the ratio of ⋯⋯‖‖‖ OH to ▬◀ OH is 2 to 1,

R' is

⋯⋯‖‖‖ OH and ▬◀ OH and the ratio of ⋯⋯‖‖‖ OH to ▬◀ OH is 1 to 2
,

giving a ratio of catechin to epicatechin in the upper terminal and middle of 2 to 1 and a 1 to 2 ratio of catechin to epicatechin in the lower terminal

wherein the composition enhances an activity of protein kinase C (PKC), improves short time memory and alleviates decrease in space cognition caused by aging.

22.   (New) A pharmaceutical product which includes as an agent, a polyphenol oligomer which is hot-water extracted from buckwheat seeds and contains catechin and epicatechins at a specific ratio,

wherein the polyphenol oligomer has 4 to 9 monomer units and said polyphenol oligomer has a molecular weight of about 1000 to about 10,000, and

which enhances an activity of protein kinase C (PKC), improves short time memory and alleviates decrease in space cognition caused by aging.

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